



SIKA AT WORK

INTEGRATED RAILWAY AND ROAD SURFACE SYSTEM, POZNAŃ

SIKA: TECHNOLOGIES railfixing: Icosit® KC 340/65, Icosit® KC 330 Primer,
prefabricated slabs PFK 40

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REQUIRED SERVICE LIFE THANKS TO SIKA MATERIALS

THE RAIL-ROAD CROSSING is located within the reconstructed Folwarczna Street in Poznań. It is a category D passage (public use passage not equipped with traffic safety systems and devices) through the siding track to the Malta Paper Factory and Kompania Piwowska.

PROJECT REQUIREMENTS

It was necessary to perform an integrated rail-road surfaces. The cross-section of rail channels in prefabricated reinforced concrete slabs had to be adapted to the horizontal track curve ($R = 300 \text{ mb}$).

SIKA SOLUTIONS

The surface of the rail-road crossing was made of prefabricated reinforced concrete slabs **PFK 40-30**. This solution allows for a very fast implementation of works and ensures adequate operational durability. **Icosit® KC** elastic rail fastening system was used to lay the rails in the rail channels in the prefabricated slabs.

Icosit® KC 340/65 was used to make continuous, elastic fastening of rails in reinforced concrete rail channels. This solution protects the structure against dynamic loads and reduces vibrations and secondary (material) noise. It allows precise alignment of the rails, the material is poured in a liquid form and harden without shrinkage, thanks to that it perfectly adapts to the substrate. After hardening it has a high resilience. The material does not conduct electricity.





PARTICIPANTS OF THE PROJECT

Owner: PKP PLK S.A. o/Poznań

Project: Safage

General Contractor: STRABAG Sp. z o.o.

Subcontractor: P.W. EKOTECH Bydgoszcz

Sika Poland: Bartosz Gądecki, Tomasz Wesołowski

The sale in which the selling party is Sika-Poland Sp. z o.o. with headquarters in Warsaw, it is implemented in accordance with the currently applicable General Terms of Sales of Sika (abbreviated GTS), defining rights and obligations Sika sales contracts. Before using the materials it is necessary seek information available in current Product Data Sheet.



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